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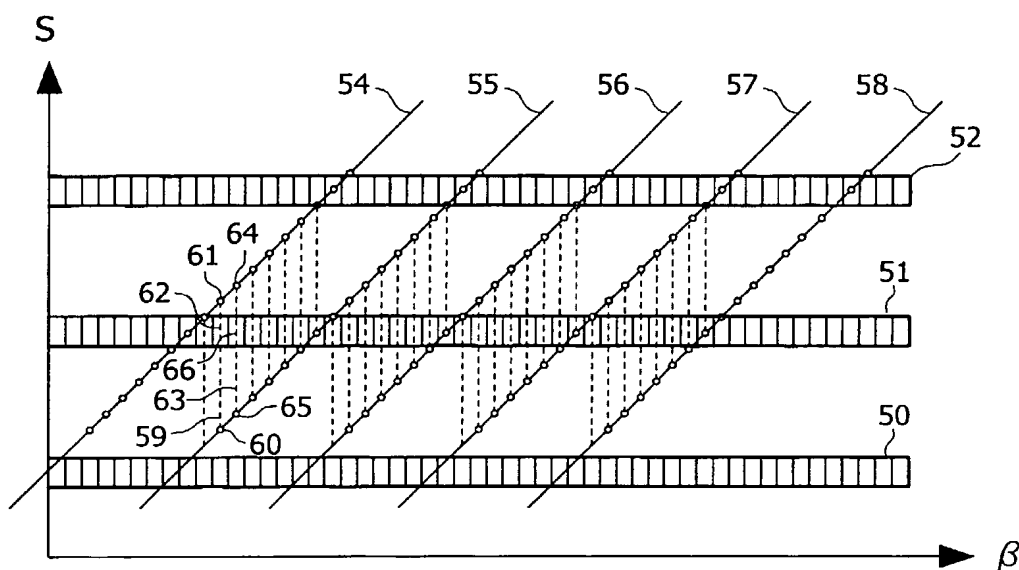
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(57) Abstract: Image quality is an important feature for CT scanning, in particular for helical cone-beam CT scanning. By using projection data acquired at two different positions of the focal spot of the radiation beam and rebinning that projection data from a first geometry to a second geometry the two sub-sets of projection data are combined to one rebinned projection data set, thereby improving the radial resolution of the data set. Advantageously, according to an aspect of the present invention, a further rebinning may be performed, from the second geometry back to the first geometry, therefore resulting in a projection data set in the initial geometry with a higher radial resolution.

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